

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street
Sacramento, California 95814

Main website: www.energy.ca.gov



In the matter of:)	Docket No. 14-CHP-1
)	
2014 Combined Heat and Power Staff)	WORKSHOP
Workshop)	RE: Combined Heat and Power
)	

Notice of Staff Workshop on Combined Heat and Power

California Energy Commission staff will conduct a workshop to discuss the benefits, challenges, and practical solutions to incentivizing development of clean and efficient combined heat and power (CHP) resources in California. The workshop will include panel discussions on the values and benefits of CHP resources, as well as progress and barriers in developing those resources. Additionally, three recent papers will be presented that address many of the challenges to measuring the fuel and greenhouse gas (GHG) emissions savings achieved when CHP resources displace conventional generation. These presentations will be followed by a panel discussion with an emphasis on these challenges.

Monday, July 14, 2014

9:00 a.m.

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Hearing Room A

Sacramento, California

(Wheelchair Accessible)

Remote Access Available by Computer or Phone via WebEx™
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Background

In December 2008, the California Air Resources Board (ARB) approved the [Climate Change Scoping Plan](#), pursuant to Assembly Bill 32 (Núñez, Chapter 488, Statutes of 2006), in which it set a target of an additional 4,000 megawatts (MW) of installed capacity from efficient CHP by 2020. This increase corresponded to a target reduction of 6.7 MMTCO₂E of GHG emissions. In early 2010, the Energy Commission adopted guidelines for certification under a CHP feed-in tariff established by Assembly Bill 1613 (Blakeslee, Chapter 713, Statutes of 2007), the [Waste Heat and Carbon Emissions Reduction Act](#). This tariff was designed to incentivize small-scale CHP. In June 2010, Governor Jerry Brown's [Clean Energy Jobs Plan](#) called for an additional 6,500 MW of

new CHP capacity by 2030. Later that year, the California Public Utilities Commission (CPUC) adopted the [Qualifying Facilities and CHP Program Settlement Agreement](#), which mandated that California's three largest investor-owned utilities achieve 4.8 MMTCO₂E of the 2008 *Climate Change Scoping Plan* GHG reduction target.

Despite these ambitious targets and programs, CHP development in California has been slow. Significant barriers still exist, and there is still uncertainty on how to best identify, measure, and properly value the many potential benefits of clean, efficient CHP generation. Understanding these barriers and resolving these uncertainties is essential to achieving California's CHP and GHG reduction goals. The morning half of the workshop will include panel discussions on the potential benefits of CHP and on the status of small CHP development in California.

Currently, several standards exist for evaluating the fuel and GHG emissions savings from CHP, and different standards are used across various government programs. This inconsistency has led to confusion and disagreement among stakeholders, and has made it difficult to compare the effectiveness of programs using different standards. Recently, three papers have been drafted or published which address the challenges of measuring the benefits of CHP – with a particular focus on GHG emissions reduction. The following papers will be presented and discussed at the workshop, including two panel discussions emphasizing many of the issues raised by the authors:

Evaluating the Greenhouse Gas Performance of Combined Heat and Power Systems: A Summary for Californian Policymakers—Sonika Choudhary, Sam Wade, Ray Williams

CHP's Potential to Reduce GHG Emissions in California: Evaluation of a June 2013 CRRRI Conference Paper—ICF International under contract to the U.S. Environmental Protection Agency CHP Partnership

Estimating Fuel Displacement for California Electricity Reductions—Bryan Neff, Energy Commission

Public Comment

Oral Comments: Staff will accept oral comments during the workshop. Any comments will become part of the public record.

Written Comments: Written comments should be submitted to the Dockets Unit by 4:00 p.m. on August 4, 2014. Written comments will be also accepted at the workshop; however, the Commission may not have time to review them before the conclusion of the meeting. For additional information, see Standing Order re: Proceedings and Confidentiality Procedural Requirements for Filing, Service, and Docketing Documents with the Energy Commission, available at:

www.energy.ca.gov/commission/chief_counsel/docket.html.

Additionally, written comments may be posted to the Energy Commission's website for the workshop. Please note that your written and oral comments, attachments, and associated contact information (e.g., your address, phone, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and any other search engines.

The Energy Commission encourages comments by e-mail. Please include your name and any organization name. Comments should be in a downloadable, searchable format such as Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf). Please include the docket number 14-CHP-1 and indicate Combined Heat and Power Staff Workshop in the subject line. Send comments to:

docket@energy.ca.gov

If you prefer, you may send a paper copy of your comments to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 14-CHP-1
1516 Ninth Street
Sacramento, CA 95814-5512

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If you have a disability and require assistance to participate, please contact Lou Quiroz at lquiroz@energy.ca.gov or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at mediaoffice@energy.ca.gov or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Jason Harville at Jason.Harville@energy.ca.gov or (916) 654-3842.

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Availability of Documents

Documents and presentations for this meeting will be available online at: <http://energy.ca.gov/chp/documents/>

[DATE (of signing)]

Sylvia Bender
Deputy Director

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